

# Package ‘derfinderData’

October 10, 2024

**Type** Package

**Title** Processed BigWigs from BrainSpan for examples

**Version** 2.23.0

**Date** 2021-11-21

**Depends** R(>= 3.1.1)

**Suggests** sessioninfo, knitr (>= 1.6), RefManageR, rmarkdown (>= 0.3.3), BiocStyle

**VignetteBuilder** knitr

**Description** Processed 22 samples from BrainSpan keeping only the information for chromosome 21. Data is stored in the BigWig format and is used for examples in other packages.

**License** Artistic-2.0

**LazyData** true

**URL** <https://github.com/leekgroup/derfinderData>

**BugReports** <https://github.com/leekgroup/derfinderData/issues>

**biocViews** ExperimentData, Homo\_sapiens\_Data, RNASeqData

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**git\_url** <https://git.bioconductor.org/packages/derfinderData>

**git\_branch** devel

**git\_last\_commit** 587adcd

**git\_last\_commit\_date** 2024-04-30

**Repository** Bioconductor 3.20

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derfinderData-package *derfinderData: Processed BigWigs from BrainSpan for examples*

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### Description

Processed 22 samples from BrainSpan keeping only the information for chromosome 21. Data is stored in the BigWig format and is used for examples in other packages.

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### See Also

Useful links:

- <https://github.com/leekgroup/derfinderData>
- Report bugs at <https://github.com/leekgroup/derfinderData/issues>

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brainspanPheno *BrainSpan phenotype information*

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### Description

Information for 24 samples from the BrainSpan project covering two structure types with 6 fetal and 6 adult samples per structure type.

### Format

A data.frame with 7 columns:

**gender** The gender of the individual sequenced.

**lab** The label for the sample.

**Age** The age in years of the individual sequenced.

**structure\_acronym** The structure acronym for the sequenced sample.

**structure\_name** The name of the structure sequenced.

**file** The URL to the original BigWig file with data for all chromosomes.

**group** Whether the individual is considered a fetal or adult sample.

**References**

1. BrainSpan: Atlas of the Developing Human Brain. Funded by ARRA Awards 1RC2MH089921-01, 1RC2MH090047-01, and 1RC2MH089929-01. 2011. Available from: <http://developinghumanbrain.org>.
2. See [http://brainspan.org/policies.html#terms\\_of\\_use](http://brainspan.org/policies.html#terms_of_use)

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